

What Is Claimed Is:

1. A control unit in a vehicle, the control unit (4) featuring a converter (5, 13) having an electrical isolation for supplying power to at least one component (6, 16), at least one coupling element (10) having an electrical isolation being connectable to the at least one component (6, 16), the coupling element (10) being used for data transmission, and a ground connection (7, 15) being assigned to the at least one component (6, 16).
2. The control unit as recited in Claim 1,
wherein the converter (5, 13) features a transformer (21) for electrical isolation, a DC/AC voltage converter (20) being provided on the primary side, and a rectifier (22) being provided on the secondary side.
3. The control unit as recited in Claim 2,
wherein the DC/AC voltage converter (20) features an oscillator.
4. The control unit as recited in Claim 2,
wherein the DC/AC voltage converter (20) features a chopper.
5. The control unit as recited in one of the preceding claims,
wherein the at least one coupling element (10) takes the form of an optocoupler.
6. The control unit as recited in one of the preceding claims,
wherein the converter (5, 13) is connected to at least one energy store which runs the converter (5, 13) in case the power supply (2) is disconnected.
7. The control unit as recited in one of the preceding claims,
wherein the at least one component (6, 16) is an ignition circuit control for restraint devices.
8. The control unit as recited in one of Claims 1 through 6,
wherein the at least one component (6, 16) is the control unit electronics.